US009409517B2

(12) **United States Patent**
Han et al.

(10) **Patent No.: US 9,409,517 B2**
(45) **Date of Patent: Aug. 9, 2016**

(54) **BIOLOGICALLY CONTROLLED VEHICLE AND METHOD OF CONTROLLING THE SAME**

(71) Applicants: **Hyundai Motor Company**, Seoul (KR); **Kia Motors Corporation**, Seoul (KR)

(72) Inventors: **Jae Sun Han**, Seoul (KR); **Ju Hyun Kim**, Seoul (KR)

(73) Assignees: **Hyundai Motor Company**, Seoul (KR); **Kia Motors Corporation**, Seoul (KR)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **14/563,699**

(22) Filed: **Dec. 8, 2014**

(65) **Prior Publication Data**

US 2015/0158425 A1 Jun. 11, 2015

(30) **Foreign Application Priority Data**

Dec. 11, 2013 (KR) 10-2013-0153584

(51) **Int. Cl.**

B60W 30/00	(2006.01)
B60Q 9/00	(2006.01)
G06K 9/00	(2006.01)
G08G 1/16	(2006.01)

(52) **U.S. Cl.**

CPC ***B60Q 9/00*** (2013.01); ***B60Q 9/008*** (2013.01); ***G06K 9/00543*** (2013.01); ***G06K 9/00798*** (2013.01); ***G06K 9/00845*** (2013.01); ***G08G 1/167*** (2013.01)

(58) **Field of Classification Search**

CPC combination set(s) only.

See application file for complete search history.

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Primary Examiner — Jonathan L Sample

(74) *Attorney, Agent, or Firm* — Mintz Levin Cohn Ferris Glovsky and Popeo, P.C.; Peter F. Corless

(57) **ABSTRACT**

A vehicle that performs a lane departure warning or lane keeping assistance by reflecting a driver's stress index to more effectively guarantee safe driving, and a method of controlling the same are provided. The vehicle includes a biological signal detecting unit configured to detect a biological signal of a driver and a lane detecting unit configured to detect a lane within which a vehicle is running. A controller is configured to calculate a stress index of the driver based on the detected biological signal of the driver, determine a lane access degree of the vehicle based on the detected lane, and execute a warning output to the driver based on the calculated stress index and the determined lane access degree of the vehicle.

17 Claims, 19 Drawing Sheets